

Activity 1.2 - States of Matter: Solid, Liquid, and Gas

Name _____ Period _____

Follow the directions 1-5 in your text. A data table has been provided for you to use. If needed, add to the bottom.

[illegible]

What was the temperature at which ALL of the ice had melted? _____

What was the boiling point of the water? _____

Plot a time/temperature graph on graph paper...or by computer and attach to this document.

Describe your graph in paragraph form. Consider: What is happening at the various points along the graph? Heat energy is being continually transferred to the system by the hot plate. At which point is the heat energy causing the temperature to increase? What is the heat energy doing if it is not acting to raise the temperature of the water?